

03CO



OIPE

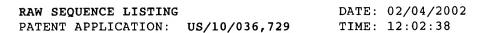
RAW SEQUENCE LISTING DATE: 02/04/2002 PATENT APPLICATION: US/10/036,729 TIME: 12:02:38

Input Set : N:\Crf3\RULE60\10036729.raw
Output Set: N:\CRF3\02042002\J036729.raw

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
             (i) APPLICANT: Middeldorp, Jaap Michiel.
     7
            (ii) TITLE OF INVENTION: Peptides and nucleic acid sequences
     8
                                     related to the Epstein-Barr virus.
     10
           (iii) NUMBER OF SEQUENCES: 22
     12
            (iv) CORRESPONDENCE ADDRESS:
                  (A) ADDRESSEE: Akzo-Nobel Patent Department
     13
                  (B) STREET: 1300 Piccard Drive, Suite 206
     14
     15
                  (C) CITY: Rockville
                  (D) STATE: Maryland
     16
                                                           ENTERED
     17
                  (E) COUNTRY: USA
     18
                  (F) ZIP: 20850
             (V) COMPUTER READABLE FORM:
     20
     21
                  (A) MEDIUM TYPE: Floppy disk
                  (B) COMPUTER: IBM PC compatible
     22
                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     23
                  (D) SOFTWARE: Patentin Release #1.0, Version #1.25
     24
            (vi) CURRENT APPLICATION DATA:
     26
                  (A) APPLICATION NUMBER: US/10/036,729
C--> 27
                  (B) FILING DATE: 21-Dec-2001
C--> 28
           (vii) PRIOR APPLICATION DATA:
     30
     31
                  (A) APPLICATION NUMBER: 08/415,838
     32
                  (B) FILING DATE:
          (viii) ATTORNEY/AGENT INFORMATION:
     34
     35
                  (A) NAME: Gormley, Mary E.
                  (B) REGISTRATION NUMBER: 34,409
     36
       (2) INFORMATION FOR SEQ ID NO: 1:
             (i) SEQUENCE CHARACTERISTICS:
     40
     41
                  (A) LENGTH: 538 base pairs
                  (B) TYPE: nucleic acid
     42
                  (C) STRANDEDNESS: double
     43
     44
                  (D) TOPOLOGY: unknown
     46
            (ii) MOLECULE TYPE: DNA (genomic)
     48
            (vi) ORIGINAL SOURCE:
     49
                  (A) ORGANISM: Epstein-Barr virus
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                 60
     54 CATGATGGCA CGCCGGCTGC CCAAGCCCAC CCTCCAGGGG AGGCTGGAGG CGGATTTTCC
                                                                                120
     56 AGACAGTCCC CTGCTTCCTA AATTTCAAGA GCTGAACCAG AATAATCTCC CCAATGATGT
     58 TTTTCGGGAG GCTCAAAGAA GTTACCTGGT ATTTCTGACA TCCCAGTTCT GCTACGAAGA
                                                                                180
     60 GTACGTGCAG AGGACTTTTG GGGTGCCTCG GCGCCAACGC GCCATAGACA AGAGGCAGAG
                                                                                240
     62 AGCCAGTGTG GCTGGGGCTG GTGCTCATGC ACACCTTGGC GGGTCATCCG CCACCCCCGT
                                                                                300
     64 CCAGCAGGCT CAGGCCGCCG CATCCGCTGG GACCGGGGCC TTGGCATCAT CAGCGCCGTC
                                                                                360
```





66 CACGGCCGTA GCCCAGTCCG CGACCCCCTC TGTTTCTTCA TCTATTAGCA GCCTCCGGGC 68 CGCGACTTCG GGGGCGACTG CCGCCGCCTC CGCCGCCGCA GCCGTCGATA CCGGGTCAGG 70 TGGCGGGGGA CAACCCCACG ACACCGCCCC ACGCGGGGCA CGTAAGAAAC AGTAGCCC 72 (2) INFORMATION FOR SEQ ID NO: 2: 74 (i) SEQUENCE CHARACTERISTICS: 75 (A) LENGTH: 176 amino acids 76 (B) TYPE: amino acid	420 480 538
77 (C) STRANDEDNESS: single	•
78 (D) TOPOLOGY: linear	
80 (ii) MOLECULE TYPE: peptide	
82 (vi) ORIGINAL SOURCE:	
83 (A) ORGANISM: Epstein-Barr virus	
•	
88 Met Ala Arg Arg Leu Pro Lys Pro Thr Leu Gln Gly Arg Leu Glu Ala	
89 1 5 10 15	
91 Asp Phe Pro Asp Ser Pro Leu Leu Pro Lys Phe Gln Glu Leu Asn Gln	
92 20 25 30	
94 Asn Asn Leu Pro Asn Asp Val Phe Arg Glu Ala Gln Arg Ser Tyr Leu	
95 35 40 45	
97 Val Phe Leu Thr Ser Gln Phe Cys Tyr Glu Glu Tyr Val Gln Arg Thr	
98 50 55 60	
100 Phe Gly Val Pro Arg Arg Gln Arg Ala Ile Asp Lys Arg Gln Arg Ala	
101 65 70 75 80	
103 Ser Val Ala Gly Ala Gly Ala His Ala His Leu Gly Gly Ser Ser Ala	
104 85 90 95	
106 Thr Pro Val Gln Gln Ala Gln Ala Ala Ala Ser Ala Gly Thr Gly Ala	
107 100 105 110	
109 Leu Ala Ser Ser Ala Pro Ser Thr Ala Val Ala Gln Ser Ala Thr Pro	
110 115 120 125	
112 Ser Val Ser Ser Ser Ile Ser Ser Leu Arg Ala Ala Thr Ser Gly Ala	
113 130 135 140	
115 Thr Ala Ala Ala Ser Ala Ala Ala Ala Val Asp Thr Gly Ser Gly Gly	
116 145 150 155 160	
118 Gly Gly Gln Pro His Asp Thr Ala Pro Arg Gly Ala Arg Lys Lys Gln	
119 165 170 175	
122 (2) INFORMATION FOR SEQ ID NO: 3:	
124 (i) SEQUENCE CHARACTERISTICS:	
125 (A) LENGTH: 1038 base pairs	
126 (B) TYPE: nucleic acid	
127 (C) STRANDEDNESS: double	
128 (D) TOPOLOGY: unknown	
130 (ii) MOLECULE TYPE: DNA (genomic)	
132 (vi) ORIGINAL SOURCE:	
133 (A) ORGANISM: Epstein-Barr virus	
136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
138 ATGCTATCAG GTAACGCAGG AGAAGGAGCA ACAGCCTGCG GAGGTTCGGC CGCCGCGGGC	60
140 CAGGACCTCA TCAGCGTCCC CCGCAACACC TTTATGACAC TGCTTCAGAC CAACCTGGAC	120
142 AACAAACCGC CGAGGCAGAC CCCGCTACCC TACGCGGCCC CGCTGCCCCC CTTTTCCCAC	180
144 CAGGCAATAG CCACCGCGCC TTCCTACGGT CCTGGGGCCG GAGCGGTCGC CCCGGCCGGC	240
TIT disconting concesses from the constant constant and the constant constant and the const	_ 10





RAW SEQUENCE LISTING DATE: 02/04/2002 PATENT APPLICATION: US/10/036,729 TIME: 12:02:38

																GTGCC	300
14	8 TTC	TTGG	CGA :	TGGA	CGCTC	CA CA	ACCT	ACCAC	CCC	CCAC	CCAC	ACC		rcc (GGCC1	PACTTT	360
15	0 GGC	TTGC	CGG (GCCT	CTTTC	G C	CCCC	CTCCA	CCC	CGTG	CTC	CTT	ACTAC	CGG I	ATCC	CACTTG	420
15	2 CGG	GCAG	ACT A	ACGT	CCCC	GC TO	CCCT	CGCGA	TC	CAAC	AAGC	GGA	AAAGA	AGA (cccc	GAGGAG	480
15	4 GAT	GAAG	AAG (GCGG	GGGG	CT A	TTCC	CGGGG	GAG	GAC	GCCA	CCC	CTAC	CCG (CAAGO	GACATA	540
																CGGGAG	600
																TACACC	660
																STCCCT	720
																	780
																CCGGGC	
																GCAGCC	840
																CACCAC	900
																CCCACC	960
17	0 ACC	CCCA	AGG (CCAAC	STCT	GT G	rcago	CCCAC	CTO	CAAG	rcca	TCT	rttg	CGA (GGAAT	TGCTG	1020
17	2 AAT	AAAC	GCG :	rggc:	rtga												1038
17	4 (2)	INF	ORMA	TION	FOR	SEQ	ID I	NO: 4	:								
17								STIC									
17		` -	•					nino		ds.							
17			•	•	PE:				401								
			•	•					-1-								
	9			•				sing	ire								
18			•	•	OPOLO												
18		(ii	•					cide									
	4	(vi	•		AL SC												
18	5							cein-									
18								ON: S									
19	0 Met	Leu	Ser	Gly	Asn	Ala	Gly	Glu	Gly	Ala	Thr	Ala	Cys	Gly	Gly	Ser	
	1 1				5					10					15		
19	3 Ala	Ala	Ala	Glv	Gln	Asp	Leu	Ile	Ser	Val	Pro	Arg	Asn	Thr	Phe	Met	
19				20					25					30			
	6 Thr	Len	T.e.11		Thr	Asn	Leu	Asp		Lvs	Pro	Pro	Ara	Gln	Thr	Pro	
19		БСи	35	0111		21011	1.Cu	40		270	110		45	V			
	, 9 Leu	Dwo		77-	71-	Dro	T 011		Dro	Dho	cor	uic		λla	Tlo	בוג	
			TYL	АТА	Ата	PIO			PIO	Pile	ser		GIII	Ата	TIE	міа	
20		50	_	_	_		55 ·			~ 1		60		_		01 .	
	2 Thr	Ala	Pro	Ser	Tyr		Pro	GIA	Ala	GTĀ		Val	Ala	Pro	Ala		
	3 65					70					75					80	
20	5 Gly	Tyr	Phe	Thr	Ser	Pro	Gly	Gly	Tyr		Ala	Gly	Pro	Ala	Gly	Gly	
20					85					90					95		
20	8 Asp	Pro	Gly	Ala	Phe	Leu	Ala	Met	Asp	Ala	His	Thr	Tyr	His	Pro	His	
20	_		_	100					105					110			
	1 Pro	His	Pro	Pro	Pro	Ala	Tvr	Phe	Glv	Leu	Pro	Glv	Leu	Phe	Glv	Pro	
21															1		
	4 Pro														Aen	ጥላም	
			PIO	val	LIO	F10		тут	GTÄ	Set	1112		n.y	nid	ռոր	- y -	
21		130	37 -	D	0	3	135	N ===	T	7	T	140	7 ~~	D~-	C1	Clu	
	7 Val		ΑΙα	Pro	ser		ser	ASN	гÀг	Arg		arg	ASP	PLO	GIU		
	8 145				_	150					155				_	160	
22	0 Asp	Glu	Glu	Gly		Gly	Leu	Phe	Pro	Gly	Glu	Asp	Ala	Thr		Tyr	
22					165					170					175		
22	3 Arg	Lys	Asp	Ile	Ala	Gly	Leu	Ser	Lys	Ser	Val	Asn	Glu	Leu	Gln	His	
22	_	-	_	180		-			185					190			
	6 Thr	Leu	Gln		Leu	Ara	Ara	Glu	Thr	Leu	Ser	Tyr	Gly	His	Thr	Gly	
												-	-			-	





DATE: 02/04/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/036,729 TIME: 12:02:38

	195				200					205			
229 Val	Gly Tyr	Cys I	Pro G	Ln Gln	Gly	Pro	Cys	Tyr	Thr	His	Ser	Gly	Pro
230	210			215					220				
232 Tyr	Gly Phe	Gln I	Pro H	is Gln	Ser	Tyr	Glu	Val	Pro	Arg	Tyr	Val	Pro
233 225			2	30				235					240
235 His	Pro Pro	Pro I	Pro P	ro Thr	Ser	His	Gln	Ala	Ala	Gln	Ala	Gln	Pro
236			245				250					255	
238 Pro	Pro Pro	Gly :	Thr G	ln Ala	Pro	Glu	Ala	His	Cys	Val	Ala	Glu	Ser
239		260				265			_		270		
	Ile Pro	Glu A	Ala G	Ly Ala	Ala	Gly	Asn	Ser	Gly	Pro	Arq	Glu	Asp
242	275			•	280	-			-	285	-		-
	Asn Pro	Gln (Gln P	ro Thr	Thr	Glu	Gly	His	His	Arq	Gly	Lys	Lys
245	290			295			-		300		-	-	-
	Val Gln	Ala S	Ser A			Val	Ala	Gln		Lvs	Glu	Pro	Thr
248 305				10	1			315		_1			320
	Pro Lys	Alai			Ser	Ala	His		Lvs	Ser	Ile	Phe	
251	110 270		325				330		-1-			335	-1-
	Glu Leu			zs Arσ	Va 1	λla	•••	•					
254	OLG LCG	340		70 1119	,	345							
	INFORMA		FOR SI	EO TD	NO · ¹								
258 (2)	(i) SE												
259				24 am									
260				nino a		.014	•						
261		•		ONESS:		פוד						•	
262				r: lin		,							
264	(ii) MO	-											
266	(vi) OR				cruc								
267	•			M: Eps	toin.	-Barı	r wii	rns					
201	,							Lus					
270		OHENCE	E DESC	ידיים דקי	$on \cdot s$		ות מז)· 5	•				
270 272 Ala	(xi) SE									His	Asp	Thr	Ala
272 Ala		Thr (Gly S				Gly			His	Asp		Ala
272 Ala 273	(xi) SE Val Asp	Thr (Gly Se 5	er Gly	Gly					His	Asp	Thr 15	Ala
272 Ala 273 275 Pro	(xi) SE	Thr (Gly Se 5	er Gly	Gly		Gly			His	Asp		Ala
272 Ala 273 275 Pro 276	(xi) SE Val Asp Arg Gly	Thr (Gly Se 5 Arg Ly	er Gly ys Lys	Gly Gln	Gly	Gly			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2)	(xi) SE Val Asp Arg Gly INFORMA	Thr (Ala A 20 TION I	Gly Se 5 Arg Ly FOR SI	er Gly ys Lys EQ ID	Gly Gln NO:	Gly 5:	Gly			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281	(xi) SE Val Asp Arg Gly INFORMA (i) SE	Thr (Ala / 20 TION I QUENCI	Gly Se 5 Arg Ly FOR SI E CHAI	er Gly ys Lys EQ ID RACTER	Gly Gln NO: (Gly 5: CS:	Gly 10			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282	(xi) SE Val Asp Arg Gly INFORMA (i) SE	Thr (Ala A 20 TION I QUENCI A) LEN	Gly Se 5 Arg Ly FOR SI E CHAI NGTH:	er Gly ys Lys EQ ID RACTER 30 am	Gly Gln NO: 0 ISTIC	Gly 5: CS:	Gly 10			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283	(xi) SE Val Asp Arg Gly INFORMA (i) SE (Thr (Ala A 20 TION I QUENCI A) LEI B) TYI	Gly Se Arg Ly FOR SI E CHAI NGTH: PE: ai	er Gly ys Lys EQ ID RACTER 30 am nino a	Gly Gln NO: 0 ISTIC ino a cid	Gly 5: CS: acids	Gly 10			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284	(xi) SE Val Asp Arg Gly INFORMA (i) SE (Thr (Ala A 20 TION I QUENCI A) LEM B) TYI C) STI	Gly Se Arg Ly FOR SI E CHAI NGTH: PE: an RANDEI	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS:	Gly Gln NO: (ISTIC ino a cid sing	Gly 5: CS: acids	Gly 10			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285	(xi) SE Val Asp Arg Gly INFORMA (i) SE (Thr (Ala A 20 TION I QUENCI A) LEM B) TYM C) STM D) TOM	Gly Se	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS:	Gly Gln NO: 0 ISTIC ino a cid sing	Gly 5: CS: acids	Gly 10			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285 287	(xi) SE Val Asp Arg Gly INFORMA (i) SE ((((ii) MC	Thr (Ala A 20 TION I QUENCI A) LEI B) TYI C) STI D) TOI LECULI	Gly Section 55 Arg Ly FOR SI E CHAINGTH: PE: and RANDER POLOGY E TYPE	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS: Y: lin E: pep	Gly Gln NO: 0 ISTIC ino a cid sing	Gly 5: CS: acids	Gly 10			His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285 287 289	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MC (vi) OR	Thr (Ala A 20 TION I QUENCI A) LEI B) TYI C) STI D) TOI LECULI	Gly Section 55 FOR SIFE CHAINGTH: PE: are RANDER POLOGY E TYPIL SOUI	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS: Y: lin E: pep RCE:	Gly Gln NO: (ISTIC ino a cid sing ear tide	Gly S: CS: acids	Gly 10	Gln		His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285 287 289 290	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MC (vi) OR	Thr (Ala A 20 TION I QUENCI A) LET B) TYI C) STI D) TOI LECULI IGINAI	Gly Section 55 FOR SIFE CHAINGTH: PE: an RANDER POLOGY POLOGY TYPE L SOUN GANISI	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS: Y: lin E: pep RCE: M: Eps	Gly Gln NO: (ISTIC ino a cid sing ear tide	Gly 5: CS: acids gle	Gly 10	Gln	Pro	His	Asp		Ala
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285 287 289 290 293	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MO (vi) OR ((xi) SE	Thr (Ala A 20 TION I QUENCI A) LEM B) TYI C) STI D) TOI LECULI IGINAI A) ORG	Gly Section 55 Arg Ly FOR SI E CHAINGTH: PE: an RANDER POLOGY L SOUN GANISI E DESC	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS: Y: lin E: pep RCE: M: Eps CRIPTI	Gly Gln NO: (ISTIC ino a cid sing ear tide tein ON: S	Gly 5: CS: acids gle -Barr SEQ	Gly 10	Gln rus D: 6	Pro			15	
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285 287 289 290 293 295 Ser	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MC (vi) OR	Thr (Ala A 20 TION I QUENCI A) LEM B) TYI C) STI D) TOI LECULI IGINAI A) ORG QUENCI Val A	Gly Se 55 Arg Ly FOR SI E CHAINGTH: PE: ai RANDEI E TYPI L SOUI GANISI E DESCALA G.	er Gly ys Lys EQ ID RACTER 30 am nino a DNESS: Y: lin E: pep RCE: M: Eps CRIPTI	Gly Gln NO: (ISTIC ino a cid sing ear tide tein ON: S	Gly 5: CS: acids gle -Barr SEQ	Gly 10	Gln rus D: 6	Pro			15 Ser	
272 Ala 273 275 Pro 276 279 (2) 281 282 283 284 285 287 289 290 293 295 Ser 296	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MC (vi) OR (xi) SE Thr Ala	Thr (Ala A 20 TION I QUENCI A) LEM B) TYI C) STI D) TOI LECULI IGINAI A) ORG QUENCI Val A	Gly Section 55 Arg Ly FOR SI E CHAINGTH: PE: ai RANDEI POLOG E TYPI L SOUI GANISI E DESC Ala G.	er Gly ys Lys EQ ID RACTER 30 am mino a DNESS: Y: lin E: pep RCE: M: Eps CRIPTI	Gly Gln NO: GISTIC ino a cid sing ear tide tein ON: S	Gly S: acids Jle Barr SEQ I	Cly 10 r vii ID NO Pro 10	rus D: 6 Ser	Pro :	Ser	Ser	15	
272 Ala 273 Pro 276 (2) 281 (2) 282 (283 (284 (285 (287 (289 (290 (293 (293 (298 (298 (299 (298 (298 (298 (298 (298	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MO (vi) OR ((xi) SE	Thr (Ala A 20 TION I QUENCI A) LET B) TYI C) STI D) TOI LECULI IGINAL A) ORG QUENCI Val A Arg A	Gly Section 55 Arg Ly FOR SI E CHAINGTH: PE: ai RANDEI POLOG E TYPI L SOUI GANISI E DESC Ala G.	er Gly ys Lys EQ ID RACTER 30 am mino a DNESS: Y: lin E: pep RCE: M: Eps CRIPTI	Gly Gln NO: GISTIC ino a cid sing ear tide tein ON: S	Gly 5: CS: acids gle Barr SEQ Thr	Cly 10 r vii ID NO Pro 10	rus D: 6 Ser	Pro :	Ser	Ser Ala	15 Ser	
272 Ala 273 Pro 276 (2) 281 (2) 282 (283 (284 (285 (287 (289 (290 (293 (293 (299 (299 (299 (299 (299 (299	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MC (vi) OR (xi) SE Thr Ala Ser Leu	Thr (Ala A 20 TION I QUENCI A) LET B) TYI C) STI D) TOI LECULI IGINAL A) ORG QUENCI Val A Arg A 20	Gly Section 5 Arg Ly FOR SI E CHAINGTH: PE: ar RANDER POLOGY E TYPE L SOUR GANIST E DESC Ala G. 5 Ala A.	er Gly ys Lys EQ ID RACTER 30 am mino a DNESS: Y: lin E: pep RCE: M: Eps CRIPTI In Ser La Thr	Gly Gln NO: (ISTIC ino a cid sing ear tide tein ON: (Ala Ser	Gly 5: CS: acids gle Barr SEQ Thr Gly 25	Cly 10 r vii ID NO Pro 10	rus D: 6 Ser	Pro :	Ser	Ser	15 Ser	
272 Ala 273 Pro 276 (2) 281 (2) 282 (283 (284 (285 (287 (289 (290 (293 (293 (299 (299 (299 (299 (299 (299	(xi) SE Val Asp Arg Gly INFORMA (i) SE (((ii) MC (vi) OR (xi) SE Thr Ala	Thr (Ala A 20 TION I QUENCI A) LET B) TYI C) STI D) TOI LECULI IGINAI A) ORG QUENCI Val A 20 TION I	Gly Section 5 Arg Ly FOR SI E CHAINGTH: PE: aI RANDEI POLOGY E TYPI L SOUI GANISI E DESC Ala G. FOR SI	EY Gly YS LYS EQ ID RACTER 30 am nino a DNESS: Y: lin E: pep RCE: M: Eps CRIPTI In Ser La Thr	Gly Gln NO: G ISTIC ino a cid sing ear tide tein ON: S Ala Ser	Gly 5: CS: acids gle Barr SEQ Thr Gly 25	Cly 10 r vii ID NO Pro 10	rus D: 6 Ser	Pro :	Ser	Ser Ala	15 Ser	



RAW SEQUENCE LISTING DATE: 02/04/2002 PATENT APPLICATION: US/10/036,729 TIME: 12:02:38

```
(A) LENGTH: 15 amino acids
304
305
              (B) TYPE: amino acid
306
              (C) STRANDEDNESS: single
307
              (D) TOPOLOGY: linear
309
        (ii) MOLECULE TYPE: peptide
        (vi) ORIGINAL SOURCE:
311
312
              (A) ORGANISM: Epstein-Barr virus
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
315
317 Gly Val Pro Arg Arg Gln Arg Ala Ile Asp Lys Arg Gln Arg Ala
                                                              15
                                         10
318
320 (2) INFORMATION FOR SEQ ID NO: 8:
         (i) SEQUENCE CHARACTERISTICS:
322
323
              (A) LENGTH: 15 amino acids
324
              (B) TYPE: amino acid
325
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
326
328
        (ii) MOLECULE TYPE: peptide
330
        (vi) ORIGINAL SOURCE:
331
              (A) ORGANISM: Epstein-Barr virus
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
334
336 Gly Gln Pro His Asp Thr Ala Pro Arg Gly Ala Arg Lys Lys Gln
339 (2) INFORMATION FOR SEQ ID NO: 9:
         (i) SEQUENCE CHARACTERISTICS:
341
              (A) LENGTH: 12 amino acids
342
              (B) TYPE: amino acid
343
              (C) STRANDEDNESS: single
344
345
              (D) TOPOLOGY: linear
347
        (ii) MOLECULE TYPE: peptide
        (vi) ORIGINAL SOURCE:
349
350
              (A) ORGANISM: Epstein-Barr virus
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
353
355 Thr Ala Val Ala Gln Ser Ala Thr Pro Ser Val Ser
                                         10
                    5
358 (2) INFORMATION FOR SEQ ID NO: 10:
360
         (i) SEQUENCE CHARACTERISTICS:
361
              (A) LENGTH: 12 amino acids
362
              (B) TYPE: amino acid
              (C) STRANDEDNESS: single
363
364
              (D) TOPOLOGY: linear
366
        (ii) MOLECULE TYPE: peptide
368
        (vi) ORIGINAL SOURCE:
              (A) ORGANISM: Epstein-Barr virus
369
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
372
374 Pro Ser Val Ser Ser Ser Ile Ser Ser Leu Arg Ala
377 (2) INFORMATION FOR SEQ ID NO: 11:
379
         (i) SEQUENCE CHARACTERISTICS:
380
              (A) LENGTH: 12 amino acids
```



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/036,729

TIME: 12:02:39

DATE: 02/04/2002

Input Set : N:\Crf3\RULE60\10036729.raw Output Set: N:\CRF3\02042002\J036729.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]